

DERWENT- 1993-239434
ACC-NO:

DERWENT- 199330
WEEK:

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TITLE: Magnesium@-contg. free cutting steel mfr. by continuous casting - comprises adding mixt. of iron@ and magnesium sulphide powders of specified particle sizes into tundish during continuous casting or into melt in mould

PATENT-ASSIGNEE: NIPPON STEEL CORP[YAWA]

PRIORITY-DATA: 1991JP-0350760 (December 12, 1991)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 05161947	A June 29, 1993	N/A	003	B22D 011/10

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP 05161947A	N/A	1991JP-0350760	December 12, 1991

INT-CL (IPC): B22D001/00, B22D011/10 , C22C033/00

ABSTRACTED-PUB-NO: JP 05161947A

BASIC-ABSTRACT:

The free cutting steel is made adding a uniform mixt. of Fe-powder of 50-300 microns in mean size, and Mg-sulphide powder of 5-30 micron mean size but at least 4 vol. ratio of Fe powder/Mg sulphide powder into the tundish in continuous casting, or to the molten steel in the mould.

USE - Used for making Mg-contg. free cutting steel contg. uniformly distributed Mg-sulphide inclusions

CHOSEN- Dwg. 0/0
DRAWING:

TITLE- MAGNESIUM@ CONTAIN FREE CUT STEEL MANUFACTURE CONTINUOUS
TERMS: CAST COMPRISE ADD MIXTURE IRON@ MAGNESIUM SULPHIDE POWDER
SPECIFIED PARTICLE SIZE TUNDISH CONTINUOUS CAST MELT MOULD

DERWENT-CLASS: M22 P53

CPI-CODES: M22-G03A;

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1993-106377

Non-CPI Secondary Accession Numbers: N1993-184314